

Release notes for ENDF/B Development dec-034\_Se\_089  
evaluation

**ENDF**  
**B-VII**.dev

October 14, 2016

- fizcon Errors:

1. Parity set to illegal value  
*MAT= 816, MF= 8, MT=457 (1): Bad parity*

```
ERROR(S) FOUND IN MAT= 816, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0
```

2. All probability distributions should be normalized to 1, this one isn't.  
*MAT= 816, MF= 8, MT=457 (2): Bad norm (b)*

```
ERROR(S) FOUND IN MAT= 816, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00555E+00 BEFORE
```

3. Energies released in decay not adding up!  
*MAT= 816, MF= 8, MT=457 (3): Bad energy sum*

```
ERROR(S) FOUND IN MAT= 816, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.84276E+06 SUM= 4.68091E+06
```

4. Energies released in decay not adding up!  
*MAT= 816, MF= 8, MT=457 (4): Bad energy sum*

```
ERROR(S) FOUND IN MAT= 816, MF= 8, MT=457
GAMMA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 9.99975E+05 SUM= 1.01256E+06
```

5. Energies released in decay not adding up!  
*MAT= 816, MF= 8, MT=457 (5): Bad energy sum*

```
ERROR(S) FOUND IN MAT= 816, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 3.61603E+06 SUM= 3.62102E+06
```

6. Energies released in decay not adding up!  
*MAT= 816, MF= 8, MT=457 (6): Bad energy sum*

```
ERROR(S) FOUND IN MAT= 816, MF= 8, MT=457
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 4.63956E+04 SUM= 4.73239E+04
```